Intranet Mailing System

Abstract

This system facilitates mailing among users of an Intranet. Now-a-days organizations are growing fast and are increasing in size also. So these organizations are divided into departments. In the fast growing world the information is needed as fast as possible. This can be accomplished by passing the information quickly. Quick passing of mails is not possible in manual systems. This is because the information is passed through persons of one department to another department. This leads to the inconsistency and delay in delivering information. So we need a system which is both quick and accurate. This can be achieved by developing a web-based Intranet Mailing System.

EXISTING SYSTEM

Present System is manually providing services to employees of departments of an Organization. Employees have to go departments to know some particular information. Sometimes information is passed by manually between departments. This manual system will take time to pass the information and sometimes it causes loss of information also. There by causing loss of employee time also. Thus the present system stated is **time taking**, **insecure** and **costly**.

PROPOSED SYSTEM

As organization grows in size in terms of departments and functionalities, it requires a quick and efficient system to achieve instant communication b/w employees of same department or b/w departments. The proposed system **"Intranet Mailing System"** serves organization's needs in a consistent and transparent

manner. It should cater the needs of information sharing. It allows the users to exchange their views thru mails and send electronic files thru attachments. It should have all traditional things such as sent items, inbox, drafts etc. The users are allows to send mails to multiple users using to, cc and bcc too. Thus the system caters spontaneous needs of the organization.

SCOPE OF THE SYSTEM

The proposed system scope is limited to Intranet only. It can be enhanced to be a global communication medium for multinational companies. We can also implement internationalization (i18n) to support user interface in various/local languages.

MODULE DESCRIPTION

The system **"Intranet Mailing System"** consists of 4 modules.

1. **User Profile Management**
2. **Mailing**
3. **Contacts**
4. **Attachments**

User Profile Management

This module facilitates new user registration, sign in of existing user, password recovery and user profile management.

Mailing

This module facilitates conventional mail options like Inbox, Compose, Send Messages, Draft etc. **Compose** option allows us to compose new mails that can be sent to one or more users of the organization. **Inbox** option shows all messages received. This option allows viewing and deleting such messages. **Send Messages** option allows us to view and delete messages that have been sent. The **Draft** option allows us to view messages saved incompletely. These messages can be completed and sent at a later stage.

Contacts

This module allows us to keep track of our friends' details. It allows us to add and delete contacts.

Attachments

It is an important feature of this system. With this feature, this system not only allows sending and receiving messages. It supports us to attach files along with mail messages. Thus people of various departments of an organization can share/exchange files effectively.

FEATURES TO BE IMPLEMENTED

- Session management
- Connection pooling
- Normalized database
- Prevention of duplication login
- Design patterns
- Three-tier architecture

- Maintainability

- Easy deployment with Ant script

- Exception handling

- Client-side validations

TECHNOLOGIES TO BE USED

- **Web Presentation:** HTML, CSS

- **Client – side Scripting:** Javascript

- **Programming Language:** Java

- **Web based Technologies:** JNDI, Servlets, JSP

- **Database Connectivity API:** JDBC

- **Build Tool:** ANT

- **Debug Tool:** Log 4J

- **Backend Database:** Oracle/SQL Server/MY SQL/MS Access

- **Operating System:** Windows XP/2000/2003, LINUX, Solaris

- **J2EE Web/Application Server:** Tomcat/Weblogic/Websphere/JBoss/Glash Fish

- **IDEs:** Eclipse with My Eclipse plugins/Net Beans/RAD

- **Browser:** IE/Mozilla

HARDWARE REQUIREMENTS

- Pentium processor   --------   233 MHZ or above

- RAM Capacity   --------   128MB
- Hard Disk   --------   20GB
- Floppy disk   --------   1.44 MB
- CD-ROM Drive   --------   32 HZ
- KEYBOARD   --------   108 Standard